

DAO Status Report

at MODIS Science Team Meeting (May, 1997)

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OUTLINE

- GEOS-3 Gridded Data Products
- One-Month Sample Data Set
- MODIS/DAO Links

- GEOS-3 Gridded Data Products
 - GEOS-3 System
 - Operational in June, 1998
 - Resolution
 - * 2x2.5 degree (ultimately upgraded to 1x1 degree, but will be after 1998);
 - * 70 σ -levels;
 - * 36 p-levels (including WMO mandatory levels);
 - * model time-step is a few minutes;
 - Prognostic and Diagnostic Variables
 - * Prognostic variables — 6-hourly (standard);
 - * Diagnostic variables — 6-hourly or 3-hourly (standard);
 - * Requests of high-temporal-resolution data from MODIS are well considered. Educating DAO about your needs is important, and better earlier than later.
 - HDF-EOS Format
 - File Specification
 - Data Subsetting and Transfer
 - * EOSDIS;
 - * DAO as the back-up plan (as for CERES, TRMM, STRAT, etc.)
 - Data Survey Forms

- One-Month Sample Data Set
 - July 31 (18Z) — Sept. 1 (23Z), 1996 (GEOS-2)
 - Resolution
 - * 2x2.5 degree (ultimately upgraded to 1x1 degree, but will be after 1998);
 - * 70 σ -levels;
 - * 36 p-levels (including all the WMO Mandatory p-levels);
 - * model time-step is 3 minutes;
 - Prognostic Variables — 3-hourly:
 - * UWND and VWND: Wind profile (σ - and p-levels);
 - * TMPU: Temperature profile (σ - and p-levels);
 - * SPHU: Humidity profile (σ - and p-levels);
 - * PS: Surface pressure;
 - * LWI: Surface types from Land/Surface Model;
 - Diagnostic Variables — 1-hourly:
 - * TG: Ground temperature (like TC in GEOS-3);
 - * T2M, Q2M, U2M and V2M: 2-meter temperature, humidity and wind;
 - * T10M, Q10M, U10M and V10M: 10-meter temperature, humidity and wind;
 - HDF-EOS Format
 - File Specification (as for GEOS-3)
 - Status

- MODIS/DAO Links

- DAO Point of Contact for MODIS:

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- Web Page:

- * *http://dao.gsfc.nasa.gov*
/eos_instruments/INSTRUMENTS.html

- MODIS SDST:

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